Exercises

[A]: Choose The Correct Answer:

1	The ratio between the perimeter of the square and its side length equal	D
2	The ratio between the perimeter of the rhombus and its side length is A) 1:3 B) 3:1 C) 1:4 D) 4:1	D
3	The ratio between the perimeter of the equilateral triangle and its side length is	В
4	The ratio between the side length of the equilateral triangle and its perimeter is	Α
5	The ratio between the side length of the rhombus and its perimeter is	С
6	The ratio between the side length of the square and its perimeter is	С
7	The ratio between the diameter of the circle and its circumference is A) 1: π B) 1:2 π C) π :1 D) 2π :1	Α
8	The ratio between the radius of the circle and its circumference is	В

	Page [3] - Math - Mr. Mahmoud Esmaiel - Mobile : 01006487539 - 01110882717	
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9	The ratio between the circumference of the circle and its is radius A) 1: π B) 1:2 π C) π :1 D) 2 π :1	D
10	The ratio between the circumference of the circle and its is diameter. A) 1: π B) 1:2 π C) π :1	C
11	The side length of a square = 3 cm., then the ratio between its side length and its perimeter equals A) 1:3 B) 3:1 C) 1:4 D) 4:1	С
12	The ratio among $\frac{1}{3}:\frac{1}{4}=$ A) 1:2 B) 3:4 C) 4:3 D) 1:4	С
13	The ratio between 300 gm. and 1 kg =	В
14	The ratio between 18 hours and one day = (in the simplest form) A) 4:3 B) 3:4 C) 3:2 D) 2:3	В
15	The ratio between 12 kirats and 2 feddans =	В
16	125 piasters : 5 pounds = (in the simplest form) A) 4 : 1 B) 1 : 4 C) 25 : 1 D) 1 : 25	В
17	A machine irrigates 15 feddans in 10 hours , then its rate =feddans/hour. A) 15 B) 10 C) 1.5 D) 1	С
18	If Hazem drinks 21 glasses of milk weekly , then the rate of what he drinks daily is glasses A) 3 B) 7 C) 14 D) 20	Α

	Page [4] - Math - Mr. Mahmoud Esmaiel - Mobile : 01006487539 - 01110882717	
19	An agricultural machine ploughs 14 feddans in 3.5 hours, then the rate of performance of the machine in Feddan per hour is	C
20	If A: B = 2:3, B: C = 3:5, then A: C = A) 2:3 B) 2:5 C) 3:5 D) 3:2	В
21	If the ratio among the measurements of the angles of a triangle is 1:2:3, then the measure for the smallest angle is A) 10 B) 45 C) 30 D) 60	С
22	If a: b = 50 %, b: c = 2:3, then a: c =	С
23	From the properties of the proportion, then the product of the extremes = the product of the A) Ratio B) Means C) Area D) Percentage	В
24	If $\frac{3}{4} = \frac{X}{20}$, then $X = \frac{X}{20}$ (C) 15 D) 60	С
25	If $\frac{2}{5} = \frac{X}{20}$, then $X - 2 = \frac{X}{20}$. A) 8 B) 4 C) 6 D) 2	С
26	If $\frac{8}{X}$ = 0.5, then X =	С
27	If $\frac{A}{4}$ = 25 %, then A = A) 10 B) 20 C) 1 D) 100	С
28	If $\frac{X+12}{6} = 4$, then X =	В

	Page [5] - Math - Mr. Mahmoud Esmaiel - Mobile : 01006487539 - 01110882717	
29	If the numbers 4, X, 12 and 18 are in proportional, then the value of X = A) 2 B) 3 C) 6 D) 9	C
30	The percentage is a ratio which second term is A) 10 B) 100 C) 1000 D) 10000	В
31	1 $\frac{3}{4}$ =	D
32	20 % of 200 pounds =pounds A) 10 B) 20 C) 30 D) 40	D
33	62.5 % =	С
34	32 % + 27 % + % = 100 % A) 32 B) 27 C) 41 D) 100	С
35	A class has 40 pupils, if 32 of them are attendant, then the percentage of absentees =% A) 8 B) 32 C) 40 D) 20	D
36	If 45 % of X = 90, then X = A) 200 B) 100 C) 300 D) 20	Α
37	If a length in drawing is 2 cm. and its real length is 20 m., then the drawing scale equals	С
38	The length of an insect in a picture is 4 cm. and its real length is 2 millimeters, then the drawing scale is	A

	Page [6] - Math - Mr. Mahmoud Esmaiel - Mobile : 01006487539 - 01110882717	
39	The form of the equal ratios $\frac{2}{3} = \frac{4}{6} = \frac{8}{12}$ is called	D
40	If the length of Suez Canal on a map of drawing scale 1:1100 000 is 15 cm., then its real length in km. equals	В
41	The sum of measures of any two consecutive angles in the parallelogram A) 360 B) 180 C) 90 D) 60	В
42	The two diagonals are equal in length and perpendicular in	Α
43	The diagonals are perpendicular and not equal in length in	С
44	The diagonals are equal and not perpendicular in length in	D
45	In the opposite figure: ABCD is a parallelogram in which $m (\angle B) = 80^{\circ}$ and $m (\angle C) = 2x$ then the value of x in degrees =	C
46	In the opposite figure : ABCD is a parallelogram , m (\angle B) = 100° and m (\angle CAD) = 30° , then m (\angle BAC) =	A

	Page [7] - Math - Mr. Mahmoud Esmaiel - Mobile : 01006487539 - 01110882717	
47	In the opposite figure: The number of parallelograms which can be obtained is	
48	If one of the angles of the parallelogram is right and two of its adjacent sides are equal in length, then it is called	A
49	If two adjacent sides in a parallelogram are equal in length and its diagonals are perpendicular ,then it is called A) square B) triangle C) rhombus D) rectangle	Α
50	The centimetre cube is a unit for measuring the A) Length B) Volume C) Area D) Perimeter	В
51	The area of the base of a cuboid is 6 cm, and its height is 7 cm., then its volume = cm ³ A) 67 B) 42 C) 100 D) 76	В
52	The cuboid with equal dimensions is called	В
53	The volume of cuboid whose dimensions are 2 cm. 4 cm. and 6 cm. A) 48 cm ² B) 48 cm ³ C) 48 cm D) 48 cm ⁴	В
54	The edge length of a cube is 5 cm., then its volume cm ³ A) 25 B) 125 C) 5 D) 250	В
55	The edge length of a cube is 0.2 dm., then its volume	В

	Page [8] - Math - Mr. Mahmoud Esmaiel - Mobile : 01006487539 - 01110882717	
56	The edge length of a cube = 9 cm., then the sum of all its edge lengths is	С
57	The volume of a cuboid with a squared base of side length 6 cm. and its height is 10 cm. equals cm ³ A) 60 B) 120 C) 360 D) 600	C
58	If the volume of a cuboid is 24 cm ³ and the area of its base is 8 cm ² , then its height = cm A) 3 B) 6 C) 192 D) 0.3	A
59	The volume of a cuboid equals 400 cm ³ and its base is with length = 8 cm. and width = 5 cm., then its height equals cm A) 50 B) 10 C) 80 D) 20	В
60	The base perimeter of a cube is 36 cm, then its volume =	С
61	If the sum of the edge lengths of a cube = 144 cm., then its volume equals	D
62	If the volume of a cube = 0.125 cm ³ , then its edge length =cm. A) 25 B) 2.5 C) 5 D) 0.5	D
63	If the volume of the cube equals 125 dm ³ , then the length of its edge =dm A) 5 B) 6 C) 7 D) 8	Α
64	The volume of the cube is 125 cm ³ , then its base area =	Α
65	4.63 litres = cm ³ A) 463 B) 4630 C) 46 300 D) 46.3	В

Page [8] - Primary [6] - First Term - Final Revision - Questions - Mr. Mahmoud Esmaiel

	Page [9] - Math - Mr. Mahmoud Esmaiel - Mobile : 01006487539 - 01110882717	
66	12 dm ³ =	D
67	3 litre = A) 75 ml B) 750 cm ³ C) 75 dm ³ D) 0.075 m ³	B
68	2.5 cm ³ =ml A) 2.5 B) 25 C) 250 D) 2500	Α
69	0.75 litre =dm ³ A) 0.75 B) 7.5 C) 75 D) 750	Α
70	1500 cm ³ = litres A) 1500 B) 150 C) 15 D) 1.5	D
71	7.5 m ³ =dm ³ A) 750 B) 75 C) 750 000 D) 7500	D
72	6500 dm ³ = m ³ A) 6.5 B) 65 C) 650 D) 6500 000	Α
73	300 mm ³ =cm ³ A) 0.3 B) 0.03 C) 0.003 D) 0.0003	Α
74	A) Address B) tallness C) Blood type D) Date of birth	В
75	The opposite data are quantitative except A) address B) tallness C) weight D) age	Α
76	The opposite data are quantitative except	D

	Page [10] - Math - Mr. Mahmoud Esmaiel - Mobile : 01006487539 - 01110882717	
77	The given data are descriptive except the	Α
78	If the values of a frequency distribution lie between (20,60), then the range of this distribution equals A) 20 B) 60 C) 80 D) 40	D
79	If the maximum mark of marks of a set of pupils marks was 57 and the minimum mark was 29, then the range =	В
80	If 78 is the greatest individual of a set and the range = 39, then the smallest individual of this set =	Α
81	The range of the values: 7, 3, 6, 9 and 5 = A) 3 B) 4 C) 5 D) 6	D
82	If 25 is the smallest individual of a set and the range is 37, then the greatest individual of this set =	D
83	If the range of the marks distribution of mathematics equals 40 and the length of a set equal 5, then the number of sets equals	C
84	The difference between the greatest individual and the smallest individual of a set of values is called	Α

Page [10] - Primary [6] - First Term - Final Revision - Questions - Mr. Mahmoud Esmaiel

Primary Six - First term revision 7 - 2021

Choose the correct answer:

The range of the set of values: 7,3,6,9 and 5 is

(2 or 4 or (6) or 12)

2.

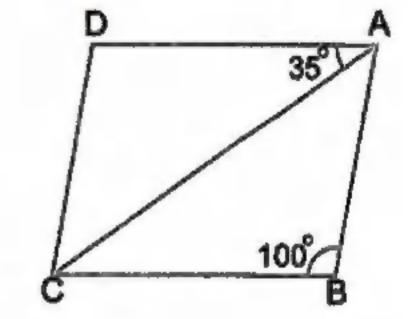
 $\frac{3}{4} = \dots$ (in decimal form) (0.2 or 0.5 or 0.25 or 0.75

3. An agricultural tractor ploughs 28 feddans in 4 hours, then the time which is needed to plough 42 feddans is hours.

4. In the opposite figure:

ABCD is a parallelogram. , then

m (∠ ACD) = ············



(35° or 45°) or 100° or 180°)

5. If $\frac{2}{5} = \frac{x}{15}$, then $x = \dots$

(2 or 5 or 6) or 15)

6. The following data are descriptive data except

(favorite colour. or age.) or birth place. or blood species.)

If one angle of a parallelogram is right, then it is called a

rectangle. or square. or rhombus. or cube.)

 $(4\frac{1}{5})$ or $3\frac{2}{5}$ or $(4\frac{4}{5})$ or $(2\frac{4}{5})$

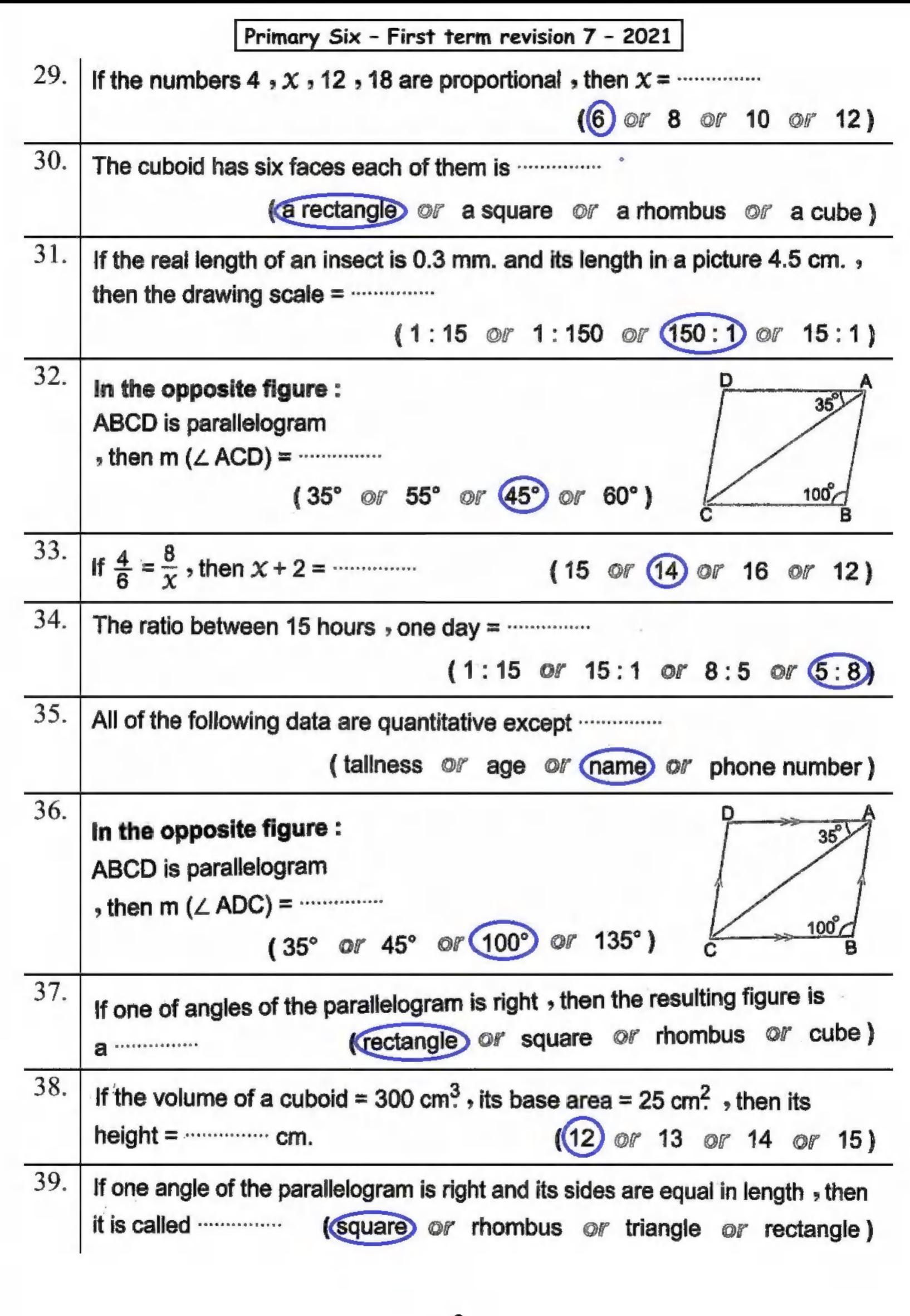
9. If the marks of 6 students in one exam are 29,33,57,40,36 and 49, then (32 OF 33 OF (28) OF 86)

the range of these marks = ·····

10. If $\frac{4}{6} = \frac{12}{x}$, then $x + 2 = \dots$ (16 OF 18 OF (20) OF 22)

11. $1\frac{3}{4} = \dots \%$ (25 or 50 or 75 or 175

Primary Six - First term revision 7 - 2021 12. (> or <) or = or ≥) 13. The range of the values 50, 25, 35 and 20 is (10 OF 20 OF 30) 14. If $\frac{2}{3} = \frac{10}{x}$, then $x = \dots$ (6 Or (15) Or 20) 15. The two diagonals are perpendicular in (rectangle of rhombus) of triangle of parallelogram) 16. If the real length is 6 m. and the drawing length is 6 cm. , then the drawing (1:10 OF 1:1000 OF (1:100) scale is 17. If a: b = 3:5 and b: c = 5:7, then a: c = (2:3 OF 3:4 OF (3:7) OF 8:7) 18. 19. If the numbers 3, 5, x and 20 are proportional, then $x + 3 = \dots$ (6 or 12 or (15) or 21) 20. If the drawing length is 6 cm., and the real length is 6 metres, then the drawing scale = (1:10 @f (1:100) @f 1:1000 @f 1:1) 21. (0.75 OF 7.5 OF (750) OF 75) $\frac{3}{4}$ litre = mL. 22. (20 or 100 or (200) or 300) If 45% of x = 90, then $x = \dots$ 23. (<) of > of = of ≥) ½ kg. 700 gm. 24. $\frac{3}{4}:\frac{5}{8}=9:\dots$ (6 OF (10) OF 11 OF 12) 25. (7% OF 20% OF 35%) OF 42%) 26. In the parallelogram, the sum of the measures of any two consecutive (45 OF 90 OF (180) OF 360) angles =° 27. $4 \text{ m}^3 = \dots \text{ dm}^3$ (40 OF 400 OF (4000) OF 40000) 28. 1.45 litres + 0.5 dm³ = litres. (1.5 OF (1.95) OF 1.55 OF 6.5)



40.	The diagonals are perpendicular and have the same length in the
	(square) OF rectangle OF trapezium OF parallelogram)
41.	12 % of 500 kg. = kg. (40 @# 50 @# 60) @# 70)
42.	$\frac{x}{5} = 60 \%$, then $x + 3 = \dots$ (3 or 6) or 600 or 30)
43.	If the drawing scale > 1, then this expresses
	(magnification) or reduction or congruent or otherwise)
44.	Parallelogram with equal diagonals in length is called
	(trapezium of rectangle of rhombus of square)
45.	A car consumes 4 litres of fuel to cover distance 100 km., then the rate of consumption is litre per km. (25 of 0.4 of 0.04) of 400)
46.	If the real length of a tree is 6 m. and its drawing, length is 3 cm., then the drawing scale =
47.	$0.3 \mathrm{m}^3 = \dots \mathrm{dm}^3$ (3000 @# (300) @# 30 @# 3)
48.	$\frac{4}{5} = \dots \%$ (50 or 60 or 70 or 80)
49.	$\frac{1}{2}$ kg.: 700 gm. =
50.	In the opposite figure : ABCD is a parallelogram, then : m (∠ D) =
51.	The ratio between the length of the side of the equilateral triangle and its perimeter =
	+